

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A computer program product comprising a computer readable medium and computer program instructions stored on the computer readable medium, wherein the computer program instructions, when executed by a reader system, direct the reader system to perform a method for communicating with a radio frequency identification tag, the method comprising:

- (a) sending an identification query to a radio frequency identification tag;
- (b) receiving a message addressed to a tag routing address of the radio frequency identification tag, the tag routing address being compliant with a standard network protocol; and
- (c) sending a response to the message.

2. The computer program product of claim 1, further comprising sending the message to the radio frequency identification tag.

3. The computer program product of claim 2, further comprising transcoding the message before sending the message to the radio frequency identification tag.

4. The computer program product of claim 2, further comprising receiving a response from the radio frequency identification tag in reply to the message.

5. The computer program product of claim 4, further comprising transcoding the response before sending the response to the message.

6. The computer program product of claim 1, wherein the tag routing address is a care-of-address.

7. The computer program product of claim 1, further comprising assigning a guest identification to the radio frequency identification tag, the guest identification forming at least a portion of the tag routing address.

8. The computer program product of claim 7, further comprising sending the guest identification and at least a portion of a reader system routing address to a home agent of the radio frequency identification tag.

9. The computer program product of claim 8, wherein sending the guest identification includes sending a plurality of guest identifications as a batch to the home agent.

10. The computer program product of claim 7, wherein the guest identification is compliant with an interface identification field of an Internet Protocol address.

11. The computer program product of claim 1, further comprising receiving identification data from the radio frequency identification tag, wherein the identification data includes a first data element comprising a global routing prefix of an Internet Protocol address and a second data element comprising an asset identifier.

12. The computer program product of claim 1, further comprising reading the message addressed to the tag routing address, and performing the instructions contained within the message.

13. A method of asset management comprising:

- (a) sending an identification query to an asset identification tag;
- (b) receiving identification data from the asset identification tag;
- (c) assigning a guest identification to the asset identification tag, the guest identification being compliant with at least a portion of a care-of-address;
- (d) based on the identification data, determining a uniform resource locator for an asset lookup service; and
- (e) based on the determined uniform resource locator, sending at least a portion of the received identification data to the asset lookup service.

14. The method of claim 13, wherein the asset identification tag is a passive radio frequency identification tag.

15. The method of claim 13, wherein the asset identification tag is an active radio frequency identification tag.

16. The method of claim 13, wherein the identification tag is a magnetic strip card.

17. The method of claim 13, wherein the identification tag is an integrated circuit card.

18. A method of asset management comprising:
- (a) sending an identification query to a radio frequency identification tag;
 - (b) after sending the identification query, receiving identification data from the radio frequency identification tag;
 - (c) assigning a guest identification to the radio frequency identification tag, the guest identification being compliant with at least a portion of a standard network protocol address.
19. The method of claim 18, further comprising concatenating at least a portion of a reader system routing address with the guest identification to form a tag routing address.
20. The method of claim 19, wherein the portion of the reader system routing address includes a global routing prefix and a site subnet identifier.
21. The method of claim 19, wherein the tag routing address is compliant with a Mobile Internet Protocol.
22. The method of claim 19, further comprising sending the tag routing address to a home agent of the radio frequency identification tag.
23. The method of claim 22, wherein sending the tag routing address includes sending a plurality of tag routing address for a plurality of tags as a batch.
24. The method of claim 18, wherein the identification data includes a first data element comprising a global routing prefix of an Internet Protocol address and a second data element comprising an asset identifier.
25. The method of claim 18, further comprising receiving a message addressed to a tag routing address, wherein the tag routing address comprises the guest identification.
26. The method of claim 25, further comprising sending the message to the radio frequency identification tag.
27. The method of claim 26, further comprising transcoding the message before sending the message to the radio frequency identification tag.
28. The method of claim 25, further comprising reading the message addressed to the tag routing address, and performing the instructions contained within the message.
29. The method of claim 25, further comprising receiving a response from the radio frequency identification tag in reply to the message.

30. An identification tag reader suitable for use with an identification tag, wherein the identification tag is selected from a group consisting of a passive identification tag and an active identification tag consisting essentially of an integrated chip, a battery and an antenna, the identification tag reader having computer executable instructions for performing steps comprising:

- (a) receiving identification data from identification tag;
- (b) receiving a message addressed to a tag routing address of the identification tag, the tag routing address being compliant with a standard network protocol; and
- (c) sending a response to the message.

31. The identification tag reader of claim 30, wherein the identification tag is a passive identification tag.

32. The identification tag reader of claim 30, wherein the identification tag is an active identification tag consisting essentially of an integrated chip, a battery and an antenna.

33. The identification tag reader of claim 30, wherein the identification tag is a radio frequency identification tag.

34. The identification tag reader of claim 30, further comprising sending the message to the identification tag.

35. The identification tag reader of claim 30, further comprising assigning a guest identification to the identification tag, the guest identification forming at least a portion of the tag routing address.

36. The identification tag reader of claim 35, further comprising sending the guest identification to a home agent of the identification tag.

37. The identification tag reader of claim 30, further comprising reading the message addressed to the tag routing address, and performing the instructions contained within the message.

38. The identification tag reader of claim 30, further comprising concatenating at least a portion of a routing address of the identification tag reader with the guest identification to form the tag routing address.

39. The identification tag reader of claim 38, wherein the portion of the routing address of the identification tag reader includes a global routing prefix and a site subnet identifier.

40. The identification tag reader of claim 38, wherein the tag routing address is compliant with a Mobile Internet Protocol.